|  |  |  |
| --- | --- | --- |
| **Criteria for Success** | Yes | No |
| Quadratic is set equal to 0 |  |  |
| Correct factor pair of in is found |  |  |
| Trinomial is written as the product of two binomials |  |  |
| X-Intercepts are found and written in the form and |  |  |

|  |  |
| --- | --- |
| **Problem Set A**  Complete the factored form:  Factor each trinomial completely. | **Problem Set B**  Factor each trinomial completely:  Factor each trinomial completely. *Factor out the GCF first, then factor into two binomials.*   1. a. Draw a rectangle that has a width of and a length of .   b. Write the perimeter of the rectangle as a simplified polynomial.  c. Factor out the greatest common factor.  d. Factor the trinomial. |
| **Problem Set C**   1. An athlete throws a discus from an initial height of 6 feet and with an initial velocity of 46 feet per second. The equation models the height of the discus as a function of time (in seconds).    1. What is the maximum height the discuss reaches?    2. After how many seconds does the discus hit the ground? 2. Find three values of *c* that will allow you to factor the following trinomial: . Factor each of the trinomials.   *Example: c= 56, . This CANNOT be one of your three values.* | |